

LEARN



The Arizona Homeowner's Guide to Air Conditioning

Everything You Need to Know About Your Home Cooling System



Pro Solutions Air
623-229-4389



THE ARIZONA HOMEOWNER'S GUIDE TO AIR CONDITIONING

PRO SOLUTIONS
AIR CONDITIONING
AND HEATING



Everything Every Homeowner Should Know Before Calling for AC Repair



Keeping Your Cool Starts Here

In Arizona, your air conditioner isn't just another appliance—it keeps your family safe, comfortable, and healthy during some of the hottest temperatures in the country.

Unfortunately, many homeowners don't know how their AC system works until something goes wrong. A little knowledge can help you avoid expensive repairs, improve efficiency, extend the life of your equipment, and even lower your electric bill.

At Pro Solutions Air Conditioning and Heating, we've spent years helping homeowners throughout the West Valley keep their homes comfortable all year long.

We've created this guide to answer the questions we hear every day and help you better understand your home's cooling system.

UNDERSTANDING YOUR AIR CONDITIONER

Your system has two major components:

OUTDOOR CONDENSER UNIT

This is the large unit outside your home. Its job is to release the heat collected from inside your home.



INDOOR AIR HANDLER OR FURNACE

Located in your attic, garage, or closet, this portion contains:

- Evaporator Coil
- Blower Motor
- Air Filter

This is where cool air is created before being distributed throughout your home.



HOW YOUR AC ACTUALLY WORKS

Think of your air conditioner as a heat mover—not a cold maker.

- 1 Warm air is pulled from your home.
- 2 Heat is removed by the indoor coil.
- 3 Refrigerant carries the heat outside.
- 4 The outdoor unit releases the heat.
- 5 Cool air returns through your vents.



This process repeats continuously until your thermostat reaches the desired temperature.

! SIGNS YOUR AIR CONDITIONER NEEDS SERVICE

- | | |
|---------------------------------|--------------------------------------|
| ✓ Warm air coming from vents | ✓ Thermostat won't hold temperature |
| ✓ Weak airflow | ✓ System constantly turns on and off |
| ✓ Strange noises | ✓ Ice forming on refrigerant lines |
| ✓ Water leaking around the unit | ✓ Musty odors |
| ✓ Higher electric bills | |



PRO TIP

Never ignore a frozen air conditioner. Turning the thermostat lower will NOT make it cool faster.

Instead:

- ✓ Turn the system OFF
- ✓ Set the FAN to ON
- ✓ Allow the ice to melt before calling a professional.



DID YOU KNOW?

An air conditioner can remove:

- HEAT
- HUMIDITY
- DUST
- ALLERGENS

when properly maintained.



WE'RE HERE TO HELP!

Whether you need a simple repair, routine maintenance, or a brand new system, the team at Pro Solutions Air Conditioning and Heating is here to keep your home comfortable all year long.

Never A Problem, Just A Solution!

PRO SOLUTIONS
AIR CONDITIONING
AND HEATING



AIR CONDITIONING
REPAIR & INSTALLATION



ELECTRICAL
SERVICES



HEATING
REPAIR & INSTALLATION



PLUMBING
SERVICES

SCHEDULE YOUR HOME
COMFORT INSPECTION TODAY!

623-229-4389

www.ProSolutionsAZ.com

10 THINGS EVERY ARIZONA HOMEOWNER SHOULD DO



These simple maintenance tips can save hundreds—even thousands—of dollars over the life of your HVAC system.

1 REPLACE YOUR AIR FILTER

Every 30–90 days

More often if you have:

- Pets
- Children
- Allergies
- Construction nearby



2 KEEP THE OUTDOOR UNIT CLEAN

Remove:

- Leaves
- Palm fronds
- Grass
- Trash
- Weeds

Maintain at least **24 inches** of clearance around the unit.



3 WASH THE OUTDOOR COIL

Use a garden hose (never a pressure washer).

Spray from the inside out whenever possible.



4 KEEP SUPPLY VENTS OPEN

Closing vents does not save money. Instead, it creates excess pressure inside your duct system.



5 CHECK YOUR THERMOSTAT BATTERIES

Many thermostat problems are simply dead batteries.

Replace annually.



6 LISTEN TO YOUR SYSTEM

New noises usually mean new problems.

- Grinding
- Buzzing
- Clicking
- Squealing

Don't ignore them.



7 INSPECT YOUR CONDENSATE DRAIN

Your AC removes gallons of water every day. If the drain becomes clogged, it can:

- Overflow
- Damage drywall
- Cause mold growth



8 CHANGE THERMOSTAT SETTINGS WISELY

Recommended:

- 76°–78° when home
- 80°–82° when away

Avoid dramatic temperature changes.



9 SCHEDULE PROFESSIONAL MAINTENANCE

Most major repairs begin as small maintenance issues.

Annual inspections catch problems early.



10 KNOW WHEN IT'S TIME TO REPLACE

See page 3 for repair vs. replace guidelines.



DIY MONTHLY HOMEOWNER CHECKLIST

- | | |
|--|---|
| ☒ Replace filter | ☒ Listen for unusual noises |
| ☒ Check thermostat | ☒ Check condensate drain |
| ☒ Inspect outdoor unit | ☒ Make sure supply vents are open |
| ☒ Remove debris | ☒ Inspect insulation around refrigerant lines |



WHEN TO CALL PRO SOLUTIONS AIR CONDITIONING AND HEATING

Call us immediately if:

- Your AC won't turn on
- You smell burning odors
- The breaker continually trips
- The system is frozen
- Water is leaking inside
- The unit blows warm air
- You hear grinding noises
- The outdoor fan stops spinning



PRO
SOLUTIONS
AIR CONDITIONING
AND HEATING



*Never A Problem,
Just A Solution!*

RESIDENTIAL • COMMERCIAL



**SCHEDULE YOUR HOME
COMFORT INSPECTION TODAY!**

623-229-4389

www.ProSolutionsAZ.com



AIR CONDITIONING
REPAIR & INSTALLATION



HEATING
REPAIR & INSTALLATION



ELECTRICAL
SERVICES



PLUMBING
SERVICES

10 THINGS EVERY ARIZONA HOMEOWNER SHOULD DO



These simple maintenance tips can save hundreds—even thousands—of dollars over the life of your HVAC system.

1 REPLACE YOUR AIR FILTER

Every 30–90 days

More often if you have:

- Pets
- Children
- Allergies
- Construction nearby



2 KEEP THE OUTDOOR UNIT CLEAN

Remove:

- Leaves
- Palm fronds
- Grass
- Trash
- Weeds

Maintain at least **24 inches** of clearance around the unit.



3 WASH THE OUTDOOR COIL

Use a garden hose (never a pressure washer).

Spray from the inside out whenever possible.



4 KEEP SUPPLY VENTS OPEN

Closing vents does not save money. Instead, it creates excess pressure inside your duct system.



5 CHECK YOUR THERMOSTAT BATTERIES

Many thermostat problems are simply dead batteries.

Replace annually.



6 LISTEN TO YOUR SYSTEM

New noises usually mean new problems.

- Grinding
- Buzzing
- Clicking
- Squealing

Don't ignore them.



7 INSPECT YOUR CONDENSATE DRAIN

Your AC removes gallons of water every day.

If the drain becomes clogged, it can:

- Overflow
- Damage drywall
- Cause mold growth



8 CHANGE THERMOSTAT SETTINGS WISELY

Recommended:

- 76°–78° when home
- 80°–82° when away

Avoid dramatic temperature changes.



9 SCHEDULE PROFESSIONAL MAINTENANCE

Most major repairs begin as small maintenance issues.

Annual inspections catch problems early.



10 KNOW WHEN IT'S TIME TO REPLACE

See page 3 for repair vs. replace guidelines.



DIY MONTHLY HOMEOWNER CHECKLIST

- | | |
|--|---|
| ☒ Replace filter | ☒ Listen for unusual noises |
| ☒ Check thermostat | ☒ Check condensate drain |
| ☒ Inspect outdoor unit | ☒ Make sure supply vents are open |
| ☒ Remove debris | ☒ Inspect insulation around refrigerant lines |



WHEN TO CALL PRO SOLUTIONS AIR CONDITIONING AND HEATING

Call us immediately if:

- Your AC won't turn on
- You smell burning odors
- The breaker continually trips
- The system is frozen
- Water is leaking inside
- The unit blows warm air
- You hear grinding noises
- The outdoor fan stops spinning



PRO
SOLUTIONS
AIR CONDITIONING
AND HEATING



*Never A Problem,
Just A Solution!*

RESIDENTIAL • COMMERCIAL

SCHEDULE YOUR HOME
COMFORT INSPECTION TODAY!
623-229-4389
www.ProSolutionsAZ.com



AIR CONDITIONING
REPAIR & INSTALLATION



HEATING
REPAIR & INSTALLATION



ELECTRICAL
SERVICES



PLUMBING
SERVICES